

## EAST Search History

L17	0	12 and (combination near sources)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:17
L18	1	12 and ((combination and complex (combinat\$4 near characteristic\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:20
L19	1	12 and ((combinat\$5))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:31
L20	1	12 and ((combinat\$5 combin\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 11:17
L21	1	12 and (complex same source\$1) and ((spatio spatial temporal) same characteristic\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 11:19
L22	1	12 and (complex same source\$1) and ((spatio spatial temporal) same characteristic\$1) and combin\$5	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 11:28
L23	1	12 and (complex adj source\$1) and ((spatio spatial temporal) same characteristic\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 12:31
L24	1	("6,424,960").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:31
L26	0	((frequency spectr\$3) near decompos\$4) and ((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) with (complex near source\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:41
L27	0	((frequency spectr\$3) near decompos\$4) and ((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex near source\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:42
L28	648	((frequency spectr\$3) near decompos\$4) or ((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:42
L29	0	((frequency spectr\$3) near decompos\$4) and ((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:42
L30	581	((frequency spectr\$3) near decompos\$4) or ((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:42
L31	577	((frequency spectr\$3) near decompos\$4) or ((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1)) and ((isolat\$3 extract\$3 decompos\$3) same (signal\$1 source\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:43

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L32	94	((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1)) and ((isolat\$3 extract\$3 decompos\$3) same (signal\$1 source\$1))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:43
L33	93	((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1)) and ((isolat\$3 extract\$3 decompos\$3) same (signal\$1 source\$1)) and (signal with component\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:44
L34	90	((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1)) and ((isolat\$3 extract\$3 decompos\$3) same ((signal\$1 source\$1) and (signal with component\$1)))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 12:44
L35	7	((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1)) and ((isolat\$3 extract\$3 decompos\$3) same ((signal\$1 source\$1) and (signal with component\$1))) and (matri\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 12:45
L36	7	((spatio\$1temporal spatial\$1temporal) (spati\$3 adj temporal) near characteristic\$1) and (complex with source\$1) and (frequency with (band\$1 sub\$1band\$1)) and ((isolat\$3 extract\$3 decompos\$3) same ((signal\$1 source\$1) and (signal with component\$1))) and (priori likelihood)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 13:10
L37	3	"6711528"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 13:11
L38	0	"6711528" and biologic\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:12
L39	2	((("6711528") or ("20030061035")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:38
L40	0	39 and (convolutive with mix\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:13
L41	0	39 and (convolutive)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:13
L42	1	39 and (convolut\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:22
L43	1	39 and infomax	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:22

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L44	1	("20030061035").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:23
L45	0	44 and magnitude	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:23
L46	1	44 and phase	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:40
L47	0	44 and phase and strength	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:40
L48	0	39 and (strength with signal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 14:41
L49	2	39 and real	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:39
L50	1	39 and ( real with value\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 15:39
L51	1	12 and theta and gamma and alpha	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
L52	2	((("20030061035") or ("6424960")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
L53	1	L52 and (temporal spatio spatial) and infomax	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
L54	0	L52 and (temporal spatio spatial) and infomax and convolutive	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
L55	0	L52 and (temporal spatio spatial) and infomax and convolut\$3	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
L56	1	L52 and (temporal spatio spatial) and infomax	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
L57	1	12 and theta and gamma and alpha and (convolut\$3 near mix\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:31
L58	0	10 and (convolutive with mix\$3 near model) and (signal with (decompos\$3 extract\$3 isolat\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:57
L59	0	10 and (convolutive with mix\$3 near model) and (signal with (decompos\$3 extract\$3 isolat\$3))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 16:57

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L60	0	(convolutive with mix\$3 near model) and (signal with (decompos\$3 extract\$3 isolat\$3)) and (frequenc\$3 near band\$1) and ((temporal and spati\$3) with characteristic\$1) and (complex\$1 random with value\$1) and (mix\$3 near matri\$3) and ( circular with (symmetric and probabil\$3)) and ((biological brain ) near signal\$1) and sensor\$1 and (complex with source\$1) and (signal with strength\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 17:00
S1	282	(702/75).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:00
S2	19	((("6370416") or ("20010111220") or ("6208875") or ("6957172") or ("20030097227") or ("20040116784") or ("5574665") or ("6470202") or ("5490516") or ("20050017870") or ("20040111220") or ("6321200") or ("6701170") or ("6167417") or ("6697660") or ("5269325") or ("6144873") or ("20030061035") or ("6799170") or ("5417218") or ("20030097227") or ("20040116784") or ("5574665") or ("6470202") or ("6957172"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:14
S3	449	(salk near institut\$3).as.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:14
S4	4	(makeig with scott) (anemuller with jorn)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/09 10:11
S5	2	((("20030061035") or ("6424960"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:52
S6	1	("20050007091").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:35
S8	0	S1 and (complex\$1value\$1 near (value random) ) and (circularly with symmetric with probabily with distribution)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:48
S9	0	S1 and (complex\$1value\$1 random value ) and (circularly with symmetric with probabily with distribution)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:48
S10	0	S1 and (circularly with symmetric with probabily with distribution)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:48
S11	0	S1 and (circularly )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:48
S12	0	S6 and (complex\$1value\$1 near (value random) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:48

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S13	0	S6 and (complex\$1value\$1 near (value random) ) and (circularly with symmetric with probabiltly with distribution)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:48
S14	0	S6 and (circularly )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 12:49
S16	1	S6 and (complex near source\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:31
S17	1	S6 and (complex near source\$1) and (temporal near spatial)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 13:37
S18	1	S6 and (complex near source\$1) and ((temporal near spatial) near characteristic\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:24
S19	1	("20030061035").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:09
S20	0	S19 and (spatial near temporal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:09
S21	1	S19 and (spatial and temporal)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:09
S22	1	S19 and (spatial and temporal and complex)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:09
S23	1	S19 and (spatial and temporal and complex and source\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:09
S24	0	S19 and (spatial and temporal and complex and source\$1 and sensor\$1 and decompos\$3 and isolat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:10
S25	0	S19 and (spatial and temporal and complex and source\$1 and sensor\$1 and seperat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:10
S26	0	S19 and (spatial and temporal and complex and source\$1 and sensor\$1 and seperat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:10
S27	1	S19 and (spatial and temporal and complex and source\$1 and sensor\$1 and transform\$3 and separat\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:29
S28	274	((spatio\$1temporal) or (spatial\$1temporal) or (spatial adj temporal)) near characteristic\$1	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:31
S29	0	((spatio\$1temporal) or (spatial\$1temporal) or (spatial adj temporal)) near characteristic\$1) same (complex near (source\$1 and signal\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:31

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S30	1	((spatio\$1temporal) or (spatial\$1temporal) or (spatial adj temporal)) near characteristic\$1) and (complex near (source\$1 and signal\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:44
S31	2	((spatio\$1temporal) or (spatial\$1temporal) or (spatial adj temporal)) near characteristic\$1) and (complex with (source\$1 and signal\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:36
S32	12	("4214243"   "5168214"   "5311192"   "5365239"   "5396510"   "5570691").PN. OR ("5784023").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 14:36
S33	1	((spatio\$1temporal) or (spatial\$1temporal) or (spatial adj temporal)) near characteristic\$1) and ((separat\$3 isolat\$3 decompos\$3) same (complex with (source\$1 and signal\$1)))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 14:37
S34	822	(702/75,76,77).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:00
S35	0	S34 and (complex near source\$1) and ((frequency spectral) with (decompos\$3 decomposit\$3))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:01
S37	1	S34 and ((frequency spectral) with (decompos\$3 decomposit\$3)) and (spatio\$1temporal spatial\$1temporal (spatial near temporal))	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:02
S38	11	("4849945"   "4922465"   "4964087"   "5309360"   "5463594"   "5465722"   "5596546").PN. OR ("5693885").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:10
S39	223	(monitor\$3 with signal\$1) and (sens\$3 with time) and (signal\$1 with (decompos\$3 separat\$3)) and (spatio\$1temporal spatial\$1temporal (spatial near temporal)) and (complex with source\$1 signal\$1)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:14
S40	205	(monitor\$3 with signal\$1) and (sens\$3 with time) and (signal\$1 with (decompos\$3 separat\$3)) and (spatio\$1temporal spatial\$1temporal (spatial near temporal)) and (complex with source\$1 signal\$1) and (frequency spectral with decompos\$5)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 15:14
S41	1	S6 and (complex near source\$1) and ((temporal near spatial) near characteristic\$1) and memory	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:39
S42	1350	(702/189,190,191,194).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:00
S43	8	S42 and S40	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:00

## EAST Search History

S44	18	("20020153891" "4607305" "4965732" "5283813" "5459668" "5539832" "5640419" "5706402" "5848160" "5909646" "6185309" "6208295" "6252962" "6426977" "6449560" "6535666").PN. OR ("6711528").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:06
S45	0	S6 and (complex near source\$1) and ((temporal near spatial) near characteristic\$1) and memory and ((mixing near matrix) with real)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 16:39
S46	1	S6 and (complex near source\$1) and ((temporal near spatial) near characteristic\$1) and memory and ((mixing near matrix) )	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 17:08
S47	0	((monitor\$3 with signal\$1) and (receiv\$3 with (biological signal\$1) with sensor\$1) and ((decompos\$3 extract isolat\$3 separat\$3) with (signal\$3 near component\$1)) and (determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) with charactersitic\$1 with complex with source\$1)).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:12
S48	0	((monitor\$3 with signal\$1) and (receiv\$3 with (biological signal\$1) with sensor\$1) and ((decompos\$3 extract isolat\$3 separat\$3) with (signal\$3 near component\$1)) and (determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) with charactersitic\$1 with complex with source\$1))	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:12
S49	0	(receiv\$3 with (biological signal\$1) with sensor\$1) and ((decompos\$3 extract isolat\$3 separat\$3) with (signal\$3 near component\$1)) and (determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) with charactersitic\$1 with complex with source\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:12
S50	0	((biological near signal\$1) with sensor\$1) and ((decompos\$3 extract isolat\$3 separat\$3) with (signal\$3 near component\$1)) and (determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) with charactersitic\$1 with complex with source\$1)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:13
S51	0	(determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) with charactersitic\$1 with complex with source\$1) .clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:13
S52	0	(determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) with charactersitic\$1 ).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:13
S53	0	(determin\$3 with (spatio\$1temporal spatial\$1temporal (spatial adj temporal)) near charactersitic\$1 ).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:14

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S54	0	(determin\$3 with ((spatio\$1temporal spatial\$1temporal (spatial adj temporal)) near charactersitic\$1 )).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:14
S55	0	(determin\$3 same ((spatio\$1temporal spatial\$1temporal (spatial adj temporal)) near charactersitic\$1 )).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:14
S56	0	S55 and S1	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:14
S57	0	S55 and S42	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 17:32
S58	2	S5 and (temporal spatio spatial)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/09 16:30
S59	2	"6957172"	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 18:09
S60	0	S59 and (spatio\$1temporal temporal spatial spatio)	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 18:10
S61	0	S59 and temporal	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/08 18:36
S62	2	((("20030061035") or ("6957172")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/03/08 18:37